



SPYWOLF

Security Audit Report



Audit prepared for
Bonsai Cash

Completed on
January 28, 2024

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KEY RESULTS

Cannot mint new tokens	N/A
Cannot pause trading (honeypot)	Passed
Cannot blacklist an address	Passed
Cannot raise taxes over 25%?	Passed
No proxy contract detected	Passed
Not required to enable trading	Passed
No hidden ownership	Passed
Cannot change the router	N/A
No cooldown feature found	Passed
Bot protection delay is lower than 5 blocks	N/A
Cannot set max tx amount below 0.05% of total supply	Passed
The contract cannot be self-destructed by owner	Passed

For a more detailed and thorough examination of the heightened risks, refer to the subsequent parts of the report.

N/A = Not applicable for this type of contract

*Only new deposits/reinvestments can be paused





OVERVIEW

This goal of this report is to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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Bonsai Cash



PROJECT DESCRIPTION

According to their whitepaper:

Bonsai Cash, set in an ancient Japan-themed world, operates on the BNB Network using USDT Stable Coin.

In this game, players use USDT to purchase up to three types of ninjas. Each type represents a distinct investment plan with varying minimum investment requirements

Release Date: Game starts in February 1st, 2024

Category: ROI Dapp



CONTRACT INFO

Token Name
N/A

Symbol
N/A

Contract Address
0x94423454ebE1BEb4BceAdE360343341Dbab8Fac4

Network
Binance Smart Chain

Language
Solidity

Deployment Date
Jan 26, 2024

Contract Type
Staking

Total Supply
N/A

Status
Not launched

TAXES

Buy Tax
4%

Sell Tax
4%

Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	N/A
Uniq Senders	N/A
Uniq Receivers	N/A
Total Amount	N/A
Median Transfer Amount	N/A
Average Transfer Amount	N/A
First transfer date	N/A
Last transfer date	N/A
Days token transferred	N/A

SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2024-01-26 08:31:27 UTC
Created	2024-01-26 08:31:27 UTC
Create TX	0x29b94c2ccaf6920d204570c4f3f092f8e3b009e4162c62f6621ef88290053af2
Creator	0x769b987b97c7b62c8b254ec81c3e4d253fc4eb52



FEATURED WALLETS

Owner address	0x769b987B97C7b62c8b254Ec81C3E4D253fC4EB52
Marketing fee receivers	0x74C49406C063465CD2484D4d73eae5E2D7df5d51 0x769b987B97C7b62c8b254Ec81C3E4D253fC4EB52 0x3874172804Ae881dB5e25d9AEc269191c5f3ceD3
LP address	N/A

TOP 3 UNLOCKED WALLETS

N/A	
N/A	
N/A	



VULNERABILITY ANALYSIS

ID	Title	
SWC-100	Function Default Visibility	Passed
SWC-101	Integer Overflow and Underflow	Passed
SWC-102	Outdated Compiler Version	Passed
SWC-103	Floating Pragma	Passed
SWC-104	Unchecked Call Return Value	Passed
SWC-105	Unprotected Ether Withdrawal	Passed
SWC-106	Unprotected SELFDESTRUCT Instruction	Passed
SWC-107	Reentrancy	Passed
SWC-108	State Variable Default Visibility	Passed
SWC-109	Uninitialized Storage Pointer	Passed
SWC-110	Assert Violation	Passed
SWC-111	Use of Deprecated Solidity Functions	Passed
SWC-112	Delegatecall to Untrusted Callee	Passed
SWC-113	DoS with Failed Call	Passed
SWC-114	Transaction Order Dependence	Passed
SWC-115	Authorization through tx.origin	Passed
SWC-116	Block values as a proxy for time	Passed
SWC-117	Signature Malleability	Passed
SWC-118	Incorrect Constructor Name	Passed



VULNERABILITY ANALYSIS

ID	Title	
SWC-119	Shadowing State Variables	Passed
SWC-120	Weak Sources of Randomness from Chain Attributes	Passed
SWC-121	Missing Protection against Signature Replay Attacks	Passed
SWC-122	Lack of Proper Signature Verification	Passed
SWC-123	Requirement Violation	Passed
SWC-124	Write to Arbitrary Storage Location	Passed
SWC-125	Incorrect Inheritance Order	Passed
SWC-126	Insufficient Gas Griefing	Passed
SWC-127	Arbitrary Jump with Function Type Variable	Passed
SWC-128	DoS With Block Gas Limit	Passed
SWC-129	Typographical Error	Passed
SWC-130	Right-To-Left-Override control character (U+202E)	Passed
SWC-131	Presence of unused variables	Passed
SWC-132	Unexpected Ether balance	Passed
SWC-133	Hash Collisions With Multiple Variable Length Arguments	Passed
SWC-134	Message call with hardcoded gas amount	Passed
SWC-135	Code With No Effects	Passed
SWC-136	Unencrypted Private Data On-Chain	Passed



VULNERABILITY ANALYSIS

NO ERRORS FOUND



MANUAL CODE REVIEW

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time.

We categorize these vulnerabilities by 4 different threat levels.

THREAT LEVELS

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance, functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

High Risk

No high risk-level threats found in this contract.

Medium Risk

No medium risk-level threats found in this contract.

Low Risk

No low risk-level threats found in this contract.



FOUND THREATS

Informational

Contracts ERC20, IERC20Errors, IERC20Metadata, Context are not used in the main contract logic and can be omitted.

The only functional contracts are IERC20 and BonsaiCash.



This is Return Of Investment (ROI) game/dapp.
Users can participate in the game by buying ninjas.

ROI system:

There are 3 types of ninjas.

Type1 - up to 150% ROI of user's investment+reinvested amounts.

Type2 - up to 180% ROI of user's investment+reinvested amounts.

Type3 - up to 200% ROI of user's investment+reinvested amounts.

Users receive 1.5% daily ROI with additional bonuses as follows:

Users that own all 3 types of ninjas get additional 0.1% daily ROI.

Users that lock their ninja for 15 days get additional +0.1% ROI per day

Users that lock their ninja for 30 days get additional + 0.2% ROI per day

Users that insure their investment get decreased ROI per day by 0.1%
and max ROI earning limits decreased by 10%.

Insurance system:

When users purchase ninja they have option to use insurance or not.

If they use insurance, the ninja daily ROI will be reduced by 0.1% and
their max earnings will be reduced with 10%.

If users want to use the insurance, they can sell their ninja for 86% of
the price they initially paid minus the already earned rewards.

Fee system:

There are 4% fees on each deposit and each withdraw, going towards
the team.

If referral address is selected by user, there are 3% fees on each deposit
going for referral reward.

When referral address is selected as address(0) or the investor itself,
no referral reward will be payed.

ROI dapps are considered as high risk investments.

SPYWOLF
TOKENS



WEBSITE

Website URL

<https://bonsaichash.app/>

Domain Registry

<https://domains.google.com>

Domain Expiration

2024-08-06

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Unique and very nice design with appropriate color scheme and graphics.

Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper

Well written, explanatory.

Roadmap

No

Mobile-friendly?

Yes



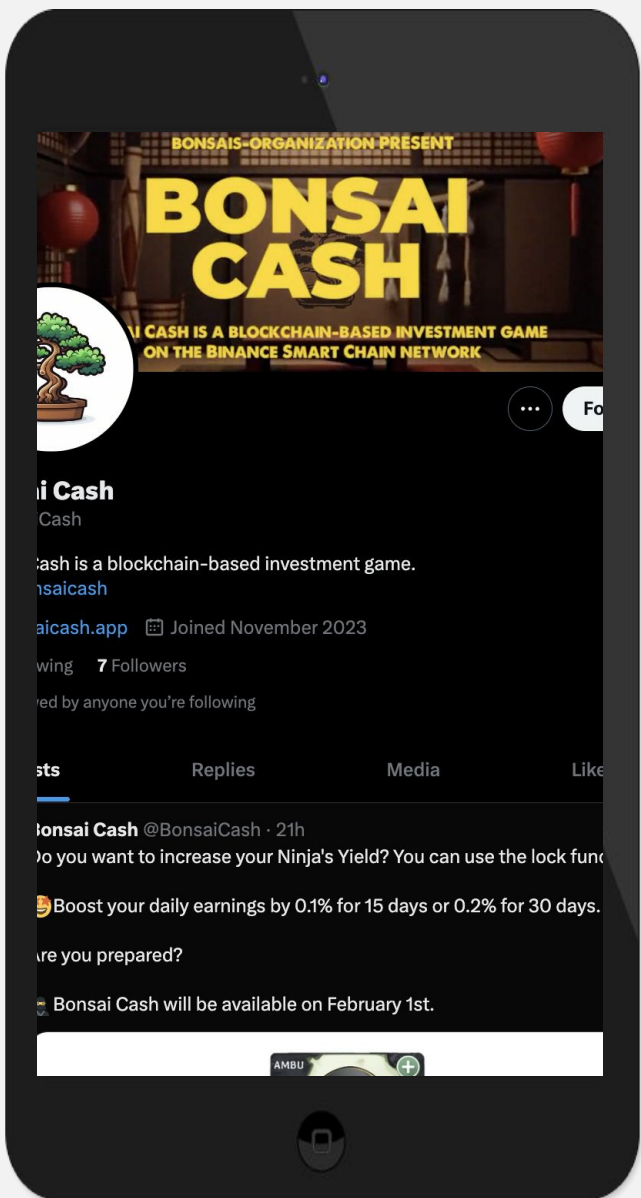
bonsaichash.app



SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS
Project's social media pages are active



Twitter's X
@BonsaiCash

- 8 followers
- Active



Discord

- Not available



Telegram
@bonsaibash

- 262 members
- Active members
- Active mods



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

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We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.